

**NATIONAL INSTITUTE OF EPIDEMIOLOGY, CHENNAI-77**  
DHR/ICMR Virus Research and Diagnostic Laboratory Network (VRDLN)

**June 2016 - Report**

Number of VRDLs functional	<b>34</b>
Suspected outbreaks diagnosed during June 2016 (table 1)	<b>11</b>
<b>Medical College Hospital Routine Diagnostics &amp; Suspected Outbreaks</b>	
Total no. of patients investigated by VRDLs	<b>4233</b>
Total no. of samples tested	<b>4506</b>
Total no. of tests run	<b>8560</b>
Total cases positives (%)	<b>966(23)</b>

**Suspected outbreaks (11)**  
n=159

- 87 (55%) positives
- 191 samples
- 289 tests run

**Medical college hospital-routine diagnostics**  
n=4074

- 879 (22%) positives
- 4315 samples
- 8271 tests run

**Table 1: Suspected outbreaks diagnosed by VRDLs June 2016 (n=11)**

Sl	State	Geographical area		VRDLN		Disease/syndrome (provisional/confirmed)	Total cases tested	Type of sample	Test conducted	Positive cases	Etiological agent
		Village	District	Institution	PI						
1	Assam	PT line	Dibrugarh	RMRC, Dibrugarh	Dr Borkakoty	VZV	10	Serum	IgM	6	VZV
2	Assam	Balipara	Sonitpur	Guwahati Medical college, Guwahati	Dr Naba Kumar	Measles	5	Serum	IgM	5	Measles
3	Assam	Bhawanipur	Barpeta	Guwahati Medical college, Guwahati	Dr Naba Kumar	Measles	5	Serum	IgM	5	Measles
4	Odisha	Bengama	Puri	RMRC, Bhubaneswar	Dr B Dwibedi	JE	16	Serum	IgM	5	JE
5	Odisha	Jadupur	Khurda	RMRC, Bhubaneswar	Dr B Dwibedi	HEV	17	Serum	IgM PCR	12	HEV
6	Odisha	Khilakantia	Puri	RMRC, Bhubaneswar	Dr B Dwibedi	JE	8	Serum	IgM	4	JE
7	Odisha	Shaspur	Puri	RMRC, Bhubaneswar	Dr B Dwibedi	JE	5	Serum	IgM	2	JE
8	Odisha	Jadupur	Khurda	RMRC, Bhubaneswar	Dr B Dwibedi	HEV	26	Serum	IgM PCR	20	HEV
9	Odisha	Srikarpur, Golar, Talabangalo	Puri	RMRC, Bhubaneswar	Dr B Dwibedi	JE	57	Serum	IgM	22	JE

Sl	State	Geographical area		VRDLN		Disease/syndrome (provisional/confirmed)	Total cases tested	Type of sample	Test conducted	Positive cases	Etiological agent
		Village	District	Institution	PI						
10	Gujarat	Ganchivad	Jamnagar	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	1	Measles
11	Gujarat	Dharampur	Porbandar	B J Medical College, Ahmadabad	Dr M M Vegad	Measles	5	Serum	IgM	5	Measles

VZV – Varicella Zoster Virus; JE – Japanese Encephalitis; HEV – Hepatitis E Virus

**Table 2: Routine virus tested at various VRDLs in June 2016 (n=8606)**

Virus	Total samples tested	Positive %
Dengue	2427	13.1
Hepatitis C virus	750	1.6
Hepatitis B virus	549	16.2
Hepatitis A virus	494	12.3
Hepatitis E virus	483	26.5
Japanese Encephalitis	416	20.4
Herpes simplex virus	388	4.9
Influenza A H1N1	367	1.9
Influenza B	363	1.9
Influenza A H3N2	276	14.9
Cytomegalovirus	243	7.8
Rubella Virus	155	9.7
Influenza A	141	41.1
Herpes Simplex Virus-2	122	9.0
Adeno Virus	120	4.2
Enterovirus	111	2.7
Respiratory Syncytial Virus	111	5.4
Varicella Zoster Virus	110	17.3
Chikungunya	79	7.6
Measles	67	32.8
Epstein-Barr-Virus	60	5.0
Other Influenza	44	0.0
Norovirus	15	0.0
Rota Virus	11	9.1
West Nile	6	0.0
Parvovirus	4	0.0

694 test were run for other viruses not mentioned in table